

**Work Order ID 85238**

June-05-12 9:07:36 AM

**\*85238\***

Page 1

Item ID: D412-706-011

Accept

**\*N900040100\***

Setup

Start

**\*NS1\***

Revision ID:

Item Name: Fuel Purge Canister

Stop

**\*NS2\***Start Date: 05/06/2012 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals: Process Plan: MLJDate: 12/06/05 Tooling:

Date:

Run Start

**\*NR1\***

QC: \_\_\_\_\_

Date: \_\_\_\_\_ SPC (Y/N):

Date:

Stop

**\*NR2\***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
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Draw Nbr	Revision Nbr
DSI 9494	B
IIN-D412-706	A

100 0.00

**\*100\***

DOCUMENT CONTROL

DC

Document Control

Memo

0.00

DAS  
16/12/10/15

*JL* for MLJ 12-10-11

110 0.00

**\*110\***

Packaging

Packaging

Pick Kit

Memo

0.00

*JX*

*SD*  
12-10-11

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

**Work Order ID 85238**

June-05-12 9:07:36 AM

**\*85238\***

Page 2

Item ID: D412-706-011

Accept

**\*N900040100\***

Setup

Start

**\*NS1\***

Revision ID:

Item Name: Fuel Purge Canister

Stop

**\*NS2\***Start Date: 05/06/2012 Start Qty: 1.00 **\*1\***

Cust Item ID:

Required Date: 19/06/2012 Req'd Qty: 1.00 **\*1\***

Customer:

Reference:

Approvals:	Process Plan:	Date:	Tooling:	Date:	Run	Start	<b>*NR1*</b>
	QC:	Date:	SPC (Y/N):	Date:		Stop	<b>*NR2*</b>

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
120 <b>*120*</b> QC Quality Control	QC4- 100% Inspect kits for completeness	0.00 / <i>DAS</i> <i>17/10/15</i>							

130 <b>*130*</b> Packaging Packaging	Packaging	0.00	<i>12/10/15</i>
	Memo	0.00	
	Identify and pack for shipping as per PPPD412-706-011		
	Location: <u>22</u>		
	PPP Rev:		

140 <b>*140*</b> QC Quality Control	QC21- Final Inspection - Work Order Release	0.00	<i>12/10/15</i>
	Memo	0.00	

*MF*  
*12-10-15*

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action      Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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NOTE: Date & initial all entries

**Picklist Print**

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Page 2

Work Order ID: 85238

Parent Item: D412-706-011

Parent Item Name: Fuel Purge Canister

\*85238\*  
\*D412-706-011\*

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

D3297-1-0098

\*D3297-1-0098\*  
HOSE ASS'Y

Manufactured No 110 Each 4.0000

1  
\*\*

D3297-3-0085

\*D3297-3-0085\*  
HOSE ASS'Y

Manufactured No 110 Each 3.0000

1  
\*\*

D3297-3-0210

\*D3297-3-0210\*  
HOSE ASS'Y

Manufactured No 110 Each 4.0000

1  
\*\*

D4054-001

\*D4054-001\*  
Tube Assembly

Manufactured No 110 Each 0.0000

1  
\*\*

D4054-003

\*D4054-003\*  
Tube Assembly

Manufactured No 110 Each 6.0000

1  
\*\*

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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# Picklist Print

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Page 3

Work Order ID: 85238

\*85238\*

Parent Item: D412-706-011

\*D412-706-011\*

Parent Item Name: Fuel Purge Canister

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3298-005

Manufactured No 110 Each 4.0000

1  
\*\*

\*D3298-005\*

Tube Assembly

D3298-007

Manufactured No 110 Each 3.0000

1  
\*\*

\*D3298-007\*

Tube Assembly

D4054-009

\*D4054-009\*

Tube Assembly

Manufactured No 110 Each 6.0000

1  
\*\*

D3299-7

\*D3299-7\*

Fitting

Manufactured No 110 Each 4.0000

1  
\*\*

8012-10-11

Location	Loc Qty	Loc Code
ST192	4	
	4	

Location	Loc Qty	Loc Code
ST192	3	
	3	

Location	Loc Qty	Loc Code
ST193	6	
	6	

Location	Loc Qty	Loc Code
ST037	4	
	4	

75977

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W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# Picklist Print

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Page 4

Work Order ID: 85238

Parent Item: D412-706-011

Parent Item Name: Fuel Purge Canister

\*85238\*  
\*D412-706-011\*

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

D3299-3

Manufactured No 110 Each 10.0000

\*D3299-3\*

Fitting

1  
\*\* SP

D3299-5

Manufactured No 110 Each 7.0000

\*D3299-5\*

Fitting

1  
\*\* SP

D3301-1

Manufactured No 110 Each 14.0000

\*D3301-1\*

Placard

1  
\*\* SP

D3301-3

Manufactured No 110 Each 15.0000

\*D3301-3\*

Placard

1  
\*\* SP

D3302-1

Manufactured No 110 Each 0.0000

\*D3302-1\*

Doubler

1  
\*\* B81921 SP  
12-10-11

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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# Picklist Print

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Page 5

Work Order ID: 85238

\*85238\*  
\*D412-706-011\*

Parent Item: D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

D3302-3

Manufactured No 110 Each 5.0000

\*\*

B77594. SP

\*D3302-3\*

Doubler

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST198	5	
83015	5	

D3329-1  
Bushing

Manufactured No 110 Each 21.0000

\*\*

SP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST038	21	
73096	1	
83016	20	

AN3-5A  
Bolt

Purchased No 110 Each 980.0000

\*\*

2X  
O m/22800 SP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST350	980	
115371	46	
117423	124	
118626	31	
119355	200	
120187	500	
121185	79	

AN814-8D  
Plug

Purchased No 110 Each 6.0000

\*\*

1  
Sp 12-10-11

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST324	6	
119000	6	

/X

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action      Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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# Picklist Print

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Page 6

Work Order ID: 85238

\*85238\*  
\*D412-706-011\*

Parent Item: D412-706-011

Parent Item Name: Fuel Purge Canister

Start Date: 05/06/2012

Required Date: 19/06/2012

Start Qty: 1.00

Required Qty: 1.00

AN815-6D

Purchased No 110 Each 14.0000

\*\* 2 2  
m 122807 sp

\*AN815-6D\*  
Union-M-Flare

Location Loc Qty Loc Code

ST324 6 \_\_\_\_\_

121390 6 \_\_\_\_\_

ST325 8 \_\_\_\_\_

119396 6 \_\_\_\_\_

119433 2 \_\_\_\_\_

AN815-8D

Purchased No 110 Each 7.0000

\*\* 1 Sp.

\*AN815-8D\*  
Union-M-Flare

Location Loc Qty Loc Code

ST324 5 \_\_\_\_\_

121166 5 \_\_\_\_\_

ST325 2 \_\_\_\_\_

119546 2 \_\_\_\_\_

AN832-6D

Purchased No 110 Each 34.0000

\*\* 1 Sp.

\*AN832-6D\*  
UNION

Location Loc Qty Loc Code

ST326 34 \_\_\_\_\_

120693 34 \_\_\_\_\_

AN833-6D

Purchased No 110 Each 18.0000

\*\* 1 Sp. 10-11

\*AN833-6D\*  
Elbow,Bulkhead-M-Flare

Location Loc Qty Loc Code

ST327 15 \_\_\_\_\_

121584 15 \_\_\_\_\_

ST328 3 \_\_\_\_\_

119546 3 \_\_\_\_\_

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_  
 Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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June-05-12 9:07:41 AM

Work Order ID: 85238

Parent Item: D412-706-011

Parent Item Name: Fuel Purge Canister

\*85238\*  
\*D412-706-011\*

Page 7

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

AN833-8D

\*AN833-8D\*  
ELBOW

Purchased No 110 Each 3.0000

\*\* 1 SP

AN924-6D

\*AN924-6D\*  
Nut

Purchased No 110 Each 14.0000

\*\* 4 1X  
4 2x m122141 SP.

AN924-8D

\*AN924-8D\*  
NUT

Purchased No 110 Each 6.0000

\*\* 1 SP. 2x

AN938-6D

\*AN938-6D\*  
Tee

Purchased No 110 Each 7.0000

\*\* 1 SP. 1X

AN960JD10L

\*AN960.JD10I\*  
Washer

NAS1149D0332J Purchased No 110 Each 0.0000

\*\* 4 1X  
4 m122973 SP 12-10-11

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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# Picklist Print

June-05-12 9:07:42 AM

Page 8

Work Order ID: 85238

Parent Item: D412-706-011

Parent Item Name: Fuel Purge Canister

\*85238\*  
\*D412-706-011\*

AN960JD10

**\*AN960.JD10\***

Washer

NAS1149D0363J Purchased

No

110

Each

0.0000

Start Date: 05/06/2012

Start Qty: 1.00

Required Date: 19/06/2012

Required Qty: 1.00

\*\* 8 8

m/22378 SP

AN960JD916

**\*AN960.JD916\***

WASHER

NAS1149D0963J Purchased

No

110

Each

0.0000

\*\* 2 6

m/22452 SP

MS21042L3

**\*MS21042L3\***

Nut

Purchased

No

110

Each

2,157.000

\*\* 4

m/23265 SP

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST300	2157	
117885	32	
119017	952	
119075	138	
121349	215	
121444	820	

MS21919-WDG9

**\*MS21919-WDG9\***

Clamp

Purchased

No

110

Each

195.0000

\*\* 2 2

SP

MS21920-42

**\*MS21920-42\***

CLAMP(per MIL-DTL-8783C)

Purchased

No

110

Each

10.0000

\*\* 2 2

SP 10-11

<u>Location</u>	<u>Loc Qty</u>	<u>Loc Code</u>
ST451	10	
119659	8	
119673	2	

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

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Page 9

Work Order ID: 85238

\*85238\*

Parent Item: D412-706-011

\*D412-706-011\*

Parent Item Name: Fuel Purge Canister

Start Date: 05/06/2012

Required Date: 19/06/2012

MS29512-06

\*MS29512-06\*

Purchased No 110 Each 14.0000

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7  
7

m122441 SP.

MS29512-08

\*MS29512-08\*

Purchased No 110 Each 9.0000

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3  
3

m122441 SP.

MS35489-16

\*MS35489-16\*

Purchased No 110 Each 22.0000

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1

SP12-10-11

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54

REF FAA STC: SR02055NY

REF. EASA STC: EASA.I.M.R.S.01180

**DESCRIPTION:**

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

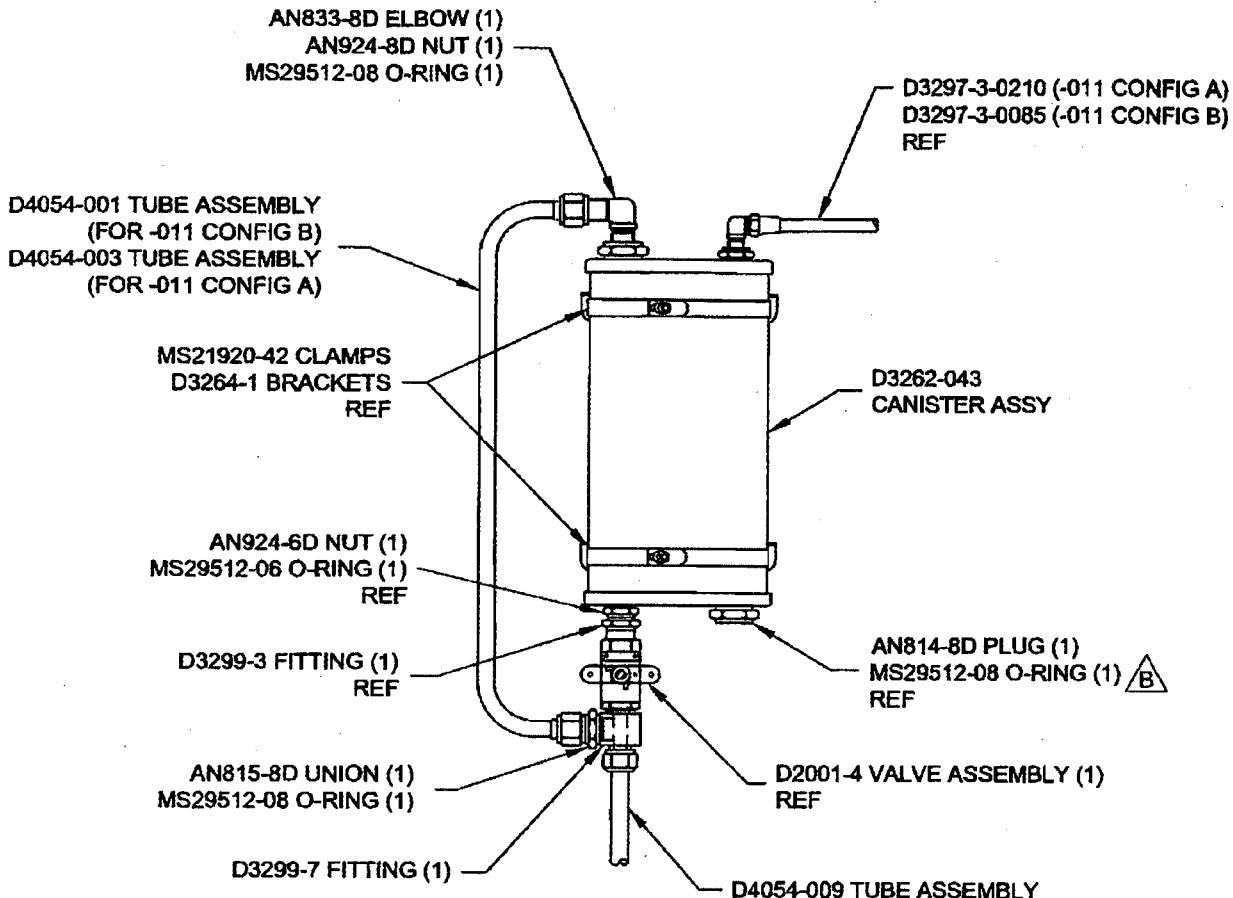
QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING

Continue on next sheet

SHOP COPY  
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 ENGINEERING  
 UNCONTROLLED COPY  
 SUBJECT TO AMENDMENT  
 WITHOUT NOTICE  
 WORK ORDER  
 NO. 85238 MUL  
 12/06/05

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
<b>APPROVED</b>	
BY:	D. SHEPHERD (DE # 02)
DATE:	11.06.06
CERT. NO.:	SH04-54
ISSUE NO.:	1

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DS1 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-641.		MB	11.06.03
A	NEW ISSUE		RF	10.01.07
REV.	DESCRIPTION		BY	DATE
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
DRAWN	R			
CHECKED	IP			
MFG. APPR.	N/A			
APPROVED	S			
DE APPR.	S			
DATE	11.06.03			
DRAWING NO. <b>DSI 9494</b>				
REV. B				
SHEET 1 OF 3				
TITLE <b>212/412 CANISTER UPGRADE KIT</b>				
SCALE NTS				
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**FIGURE 1. CANISTER ASSEMBLY  
(-011 INSTALLATION AT CHG 002)**

**B** NOTE: FOR THE LARGER D4054-009 LINE, CUSTOMER MUST DRILL A  $\phi 0.813$  HOLE AND INSTALL MS35489-16 GROMMET INSTEAD OF MS35489-11 GROMMET IN BELLY SKIN.

CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-O-01	
<b>APPROVED</b>	
BY:	D. SHEPHERD (DE # 02)
DATE:	11.06.06
CERT. NO.:	SH04-54
ISSUE NO.:	1

DESIGN	RF	DART AEROSPACE LTD	
DRAWN	<i>up</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>up</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>N/A</i>	DSI 9494	SHEET 3 OF 3
APPROVED	<i>W.W.</i>	TITLE	SCALE
DE APPR.	<i>W.W.</i>	212/412 CANISTER UPGRADE KIT NTS	
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BS250

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-706 REV. A AND ICA-D412-706 REV. 0

REF TCCA STC: SH04-54

REF FAA STC: SR02055NY

REF. EASA STC: EASA.I.M.R.S.01180

**REFERENCE ONLY**

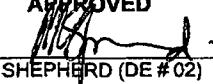
**DESCRIPTION:**

AT CHG 002, THE D412-706-011 FUEL PURGE CANISTER INSTALLATION HAS BEEN MODIFIED WITH LARGER VENT LINES TO ELIMINATE BACK PRESSURE THAT MAY OCCUR WHEN STARTING THE SECOND ENGINE IF THE CANISTER HAS NOT BEEN PROPERLY DRAINED. THE BACK PRESSURE IS EVIDENCED BY AN ONGOING VAPOR DISCHARGE FROM THE CANISTER VENT AT LOW TO MEDIUM RPM WHILE STARTING THE 2nd ENGINE. THE UPDATED PARTS LIST IS SHOWN BELOW:

IS

QTY -011	PART NUMBER	DESCRIPTION
X	D412-706-011	FUEL PURGE CANISTER INSTALLATION (212/412)
1	D2001-4	VALVE ASSEMBLY
1	D3262-043	CANISTER ASSEMBLY (WAS D3262-041)
2	D3264-1	BRACKET
1	D3297-1-0098	HOSE ASSEMBLY
1	D3297-3-0085	HOSE ASSEMBLY
1	D3297-3-0210	HOSE ASSEMBLY
1	D4054-001	TUBE ASSEMBLY (WAS D3298-001)
1	D4054-003	TUBE ASSEMBLY (WAS D3298-003)
1	D3298-005	TUBE ASSEMBLY
1	D3298-007	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY (WAS D3298-009)
1	D3299-7	FITTING (WAS 3299-1)
1	D3299-3	FITTING
1	D3299-5	FITTING
1	D3301-1	PLACARD
1	D3301-3	PLACARD
1	D3302-1	DOUBLER
1	D3302-3	DOUBLER
2	D3329-1	BUSHING

Continue on next sheet

CANADA	
DEPARTMENT OF TRANSPORT	
AIRCRAFT CERTIFICATION	
BRANCH	
DAO # 01-O-01	
<b>APPROVED</b>	
BY:	
D. SHEPHERD (DE #02)	
DATE:	11.06.06
CERT. NO.:	SH04-54
ISSUE NO.:	1

B	SHEET 2: D412-706-011 KIT: QTY(7) MS29512-06 WAS QTY(8), QTY(3) MS29512-08 WAS QTY(2), MS35489-16 WAS MS35489-11; DSI 9494-011 KIT P/L: ADDED AN814-8D PLUG AND MS35489-16 GROMMET, QTY(3) MS29512-08 O-RING WAS QTY(2). SHEET 3: AN814-8D PLUG WAS AN814-6D PLUG AND MS29512-08 WAS MS29512-06. REASON: NCR11-841.		MB	11.06.03
A	NEW ISSUE	RF	10.01.07	
REV.	DESCRIPTION	BY	DATE	
DESIGN	RF	<b>DART AEROSPACE LTD</b> HAWKESBURY, ONTARIO, CANADA		
DRAWN	R			
CHECKED	UP	DRAWING NO.	REV. B	
MFG. APPR.	N/A	DSI 9494	SHEET 1 OF 3	
APPROVED	S/H	TITLE	SCALE	
DE APPR.	S/H	212/412 CANISTER UPGRADE KIT	NTS	
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**REFERENCE ONLY**

Continue from previous sheet

4	AN3-5A	BOLT
1	AN814-8D	PLUG
2	AN815-6D	UNION
1	AN815-8D	UNION (WAS AN815-6D)
1	AN832-6D	UNION
1	AN833-6D	ELBOW
1	AN833-8D	ELBOW (WAS AN833-6D)
4	AN924-6D	NUT
1	AN924-8D	NUT (WAS AN924-6D)
1	AN938-6D	TEE
4	AN960JD10L	WASHER (OR NAS1149D0332J)
8	AN960JD10	WASHER (OR NAS1149D0363J)
2	AN960JD916	WASHER
4	MS21042L3	NUT
2	MS21919WDG9	CLAMP
2	MS21920-42	CLAMP
7	MS29512-06	O-RING (WAS MS28778-6)
3	MS29512-08	O-RING (WAS MS28778-8)
1	MS35489-16	GROMMET

FOR CUSTOMERS WHO HAVE EXPERIENCED THIS PROBLEM IN SERVICE, THE DSI 9494-011 UPGRADE KIT IS AVAILABLE TO UPGRADE THE INSTALLATION FROM CHG 001 TO CHG 002.

QTY -011	PART NUMBER	DESCRIPTION
X	DSI 9494-011	212/412 CANISTER UPGRADE KIT
1	D3262-043	CANISTER ASSEMBLY
1	D4054-001	TUBE ASSEMBLY
1	D4054-003	TUBE ASSEMBLY
1	D4054-009	TUBE ASSEMBLY
1	D3299-7	FITTING
1	AN814-8D	PLUG
1	AN815-8D	UNION
1	AN833-8D	ELBOW
1	AN924-8D	NUT
3	MS29512-08	O-RING
1	MS35489-16	GROMMET

**WEIGHT AND BALANCE:**  
NO CHANGE

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

**APPROVED**  
BY: D. SHEPHERD (DE # 02)

DATE: 11.06.06  
CERT. NO.: SH04-54  
ISSUE NO.: 1

DESIGN	REF	DART AEROSPACE LTD	
DRAWN	<u>1</u>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<u>1</u>	DRAWING NO.	REV. B
MFG. APPR.	<u>1</u>	DSI 9494	SHEET 2 OF 3
APPROVED	<u>1</u>	TITLE	SCALE
DE APPR.	<u>1</u>	212/412 CANISTER UPGRADE KIT NTS	
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